

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: IL-Won Shin

GENERAL INFORMATION:

Name:	Green Tokai Company, LTD
Address:	1725 Downing Drive Maysville, KY 41056
Date application received:	April 12, 2007
SIC/Source description:	3089, Plastics Products, NEC
Source ID #:	21-161-00035
Source A.I. #:	39209
Activity #:	APE20070001
Permit number:	F-06-065 R1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
___ Administrative	<input type="checkbox"/> Title V
<u>x</u> Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

## **EMISSIONS SUMMARY:**

### **Emissions Potential with the Limitation of Single HAP Emissions (F-06-065 R1)**

Pollutant	2006 Actual (tpy)	Potential (tpy)
VOC	59.76	< 90
PM/PM <sub>10</sub>	0.186	0
Toluene	28.54	< 9
Xylene	0	< 9
Cumene	0	< 9
n-Hexane	0	< 9
Methyl Methacrylate	0.044	< 9
Methanol	1.23	0
Methyl Ethyl Ketone	11.14	0
Methyl Isobutyl Ketone	3.74	0
Source wide HAPs	44.694	< 22.5

## **SOURCE DESCRIPTION:**

Green Tokai Company (GTC) manufactures a variety of plastic and rubber automotive products for use in interior and exterior sealing and trim applications. These parts are produced primarily on one of six plastic extrusion lines operated at GTC's Mayville, Kentucky facility. For any of the six lines, the process begins by applying an adhesive coating to a continuously moving metallic strip or wire. Polyvinyl chloride (PVC) or thermoplastic olefin (TPO) resin is then extruded over top of the metal core. The extruded plastic strip is then coated with an adhesive and sent through an electrostatic booth where a granulated nylon flocking material is applied. The continuous strip is then cut to length and cured in an electric drying oven. The only exception to this sequence is that Line #5 does not utilize the flocking station.

## **MINOR PERMIT REVISION 1: LIMITATION OF SINGLE HAP EMISSIONS**

GTC was moved from Title V to Conditional Major status with the issuance of Permit F-06-065 on January 11, 2007. The terms of that permit imposed the following plant-wide restrictions:

- 90 TPY VOC;
- 22.5 TPY combined hazardous air pollutant (HAP); and
- 9.9 TPY for each single HAP

The purpose of this revision is to request a minor modification to F-06-065 such that the single HAP

limit is lowered from 9.9 TPY to 9.0 TPY. Along with this lowered emission rate, GTC is requesting that the monitoring requirement be amended from daily to monthly tracking of single HAP emissions. Reducing the monitoring frequency in this manner will better enable GTC to meet the permit terms with the resources they have available. Further, GTC believes that this proposed monitoring approach is consistent with KDEP's policy for permit limits at or below 90% of the applicable threshold.

### **EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

The total annual source-wide emissions of volatile organic compounds (VOC), combined hazardous air pollutants (HAP), and any single HAP shall not exceed the following limitations on a twelve month (12) rolling total: [401 KAR 52:030, Section 1]. The initial 12-month compliance demonstration period shall begin on the January 1, 2007.

- (1) VOC emissions shall not exceed 90 TPY.
- (2) Emissions of combined HAP shall not exceed 22.5 TPY.
- (3) Emissions of any single HAP shall not exceed 9.0 TPY.

The source has accepted VOC emission 90 TPY to preclude 401 KAR 50:012 and 59:225. This annual limitation shall not be exceeded during any consecutive twelve months period for the entire source. The addition of extrusion line #6 will not affect this cap, as all six lines will be able to operate under this limit.

### **OPERATIONAL FLEXIBILITY:**

None